INFORMATION LETTER

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Water Pollution Conference Indicates Legislation Is Forthcoming

The National Conference on Water Pollution called by Surgeon General Leroy Burney of the Public Health Service, at the request of the President, met in Washington, December 12-14, for the stated purpose of assessing the problem of water pollution, to determine its effect upon our national welfare, and to set realistic goals for its control. James W. Bell and Walter A. Mercer of the N.C.A. Research Laboratory staff attended the conference.

In the plenary session, December 12, the papers presented indicated that pollution constituted an undesirable national problem, but a divergency of opinion existed on the seriousness of the situation. At the banquet that night, four members of Congress indicated that new legislation could be expected in the 87th Congress. These were Senators Robert S. Kerr (Okla.) and Francis Case (N.J.); Representatives John A. Blatnik (Minn.) and William C. Cramer (Fla.). All agreed that additional stream pollution abatement was necessary but not on how this should be done. Representative Blatnik suggested expansion of federal government enforcement, while Representative Cramer suggested strengthening state programs.

Representative Blatnik told the conference that he plans to introduce legislation expanding federal authority to order pollution abated on all navigable waterways. At present, the government can attack pollution within state confines only if invited by the Governor. However, a standing vote at the conference resulted in 70 percent of the delegates opposing federal control of intrastate pollution; only 5 percent favored it; the balance abstained.

The second day's program consisted of panel discussions on: Water Pollution and Our Changing Times; Meeting the Growing Competition for Water; Keeping Water Clean; and Research and Training. Outstanding speakers from government, industry, and conservation groups made up the panel.

Four committees reported a number of proposals for discussion at the last meeting of the conference. Included were:

Federal income tax reductions to industry for expenses in constructing waste treatment facilities; Congressional action to require every government installation to treat its wastes in accordance with liberal standards; and establishment of national water quality standards to allow classification of waters for swimming, boating, drinking, and other uses. Delegates to the conference neither approved nor rejected these proposals.

One point upon which all participants agreed was the need for additional research in the field of pollution control. Some speakers indicated a desire for regional Public Health Service laboratories, while others wanted an expansion of research grants to public and private groups.

The panel on Meeting the Growing Competition for Water recommended that a National Credo be adopted. This was suggested as follows:

1. Users of water do not have an inherent right to pollute that water.
2. Water users should return the water to streams as clean as technically possible.
3. Prevention of pollution is as important as control after pollution occurs.

Canned Ripe Olives for USDA

USDA announced December 22 the purchase of 106,650 cases (6/10's) of canned ripe pitted olives. This purchase, which includes Manzanillo and Mission varieties, was made with Section 32 funds as a surplus removal activity. The canned olives will be distributed primarily to nonprofit school lunch programs.

These purchases are the result of offers received in response to USDA's December 6 announcement.

Prices ranged from $6.45 to $7.59. Discounts for prompt payment were taken into consideration in making awards. Shipments are to be made during the period January 16 through March 11.

USDA Year-end Crop Report

Crop production in 1960 was a record-breaker, according to the Annual Summary issued by the Crop Reporting Board of the USDA. Total production was 3 percent above the previous high in 1958; harvested acreage was about the same as 1958 but nearly 1 percent below 1959, it was stated.

The feed grain group pushed to a new high, 3 percent above the 1959 record. Food grains increased 19 percent, tobacco 9 percent, oil crops 8 percent, and vegetables 3 percent above 1959 while fruits were down 6 percent, sugar crops 2 percent, and cotton 1 percent. Corn and sorghum grain were the only field crops to set new production records in 1960.

Crop yields in 1960 came close to 1958, the previous best year for yields. The composite yield per acre index covering 28 leading crops was 143—6 percent above 1959, but only slightly below 1958. Corn, sorghum grain, rye, peanuts, tobacco, rice, cowpeas, velvetbeans, sweet potatoes, and all hay set record high-per-acre yields while all wheat, oats, soybeans, barley, dry beans, and potatoes had the second highest yields of record. These crops account for about 90 percent of the total acreage harvested in 1960. Loss of acreage between planting and harvest was about a third less than in 1959 and the lowest since 1929.

Vegetables

Production of the 10 principal vegetables for processing in 1960 was 6 percent more than last year and 11 percent above average. This year's production of 7.31 million tons compares with 6.91 million tons produced last year and the average of 6.59 million tons for the preceding 10-year period. It is 13 percent less than the 1956 record large production of 8.38 million tons.

The production of asparagus for processing in 1960 was 6 percent larger than in 1959 and 16 percent above average. Lima bean production

Snap Beans for Processing

State	Harvested acreage 1959	Harvested acreage 1960	Production 1959	Production 1960	Price per ton[1] 1959	Price per ton[1] 1960
	(acres)		(tons)		(dollars)	
Maine	2,000	2,000	3,600	4,200	101.60	101.70
New York	39,700	45,000	67,500	73,100	101.20	99.80
Pennsylvania	5,800	8,200	8,700	13,100	103.20	105.30
Michigan	7,400	8,000	13,300	12,000	89.00	83.70
Wisconsin	23,100	20,400	37,000	36,700	85.90	72.30
Delaware	5,700	5,800	6,300	7,500	91.70	84.20
Maryland	10,300	8,900	13,400	18,700	95.30	102.70
Virginia	2,800	2,100	3,100	4,200	102.60	116.20
North Carolina	4,000	3,500	8,000	4,900	115.00	96.50
South Carolina	1,000	1,200	1,000	1,200	107.00	100.00
Florida[2]	8,900	12,200	12,100	23,450	123.20	124.80
Tennessee	7,500	8,600	15,800	18,000	110.00	118.00
Arkansas	5,600	5,700	11,200	11,400	85.40	109.40
Louisiana	700	300	400	240	100.00	88.00
Oklahoma	5,000	5,000	10,500	10,000	87.20	94.20
Texas	8,000	11,000	11,200	19,800	85.00	90.30
Colorado	1,700	1,700	5,100	4,600	87.40	87.50
Washington	1,600	1,600	9,300	8,300	123.80	128.60
Oregon	11,100	11,700	83,200	83,100	126.70	133.50
California	3,800	3,600	27,000	31,000	124.70	125.40
Other states[3]	9,870	11,660	21,260	24,910	107.10	129.70
U. S. Total	165,570	176,160	368,960	410,400	107.10	109.90
For freezing	36,710	45,660	88,410	112,610	121.30	126.30
For canning and other processing	128,860	130,500	280,550	297,790	102.70	103.80

[1] Season average price received by growers. [2] Sum of estimates by seasonal groups. [3] Ala., Ga., Idaho, Ill., Ind., Iowa, Ky., Minn., Miss., Mo., Nebr., N. H., N. J., N. M., Ohio, Utah, Vt., and Wyo.

Cucumbers for Pickles

State	Harvested acreage 1959	Harvested acreage 1960	Production 1959	Production 1960	Price per bushel[1] 1959	Price per bushel[1] 1960
	(acres)		(1,000 bu.)		(dollars)	
Ohio	1,500	1,200	270	230	1.70	1.75
Indiana	1,200	900	223	207	.90	1.05
Michigan	24,000	19,900	4,608	4,020	1.15	1.25
Wisconsin	16,100	14,500	1,932	1,842	1.20	1.30
Delaware	700	700	130	140	1.25	1.25
Maryland	2,900	2,300	536	518	1.20	1.20
Virginia	3,100	2,400	202	264	1.60	1.25
North Carolina	14,800	14,600	1,228	1,402	1.20	1.05
South Carolina	1,200	2,000	54	120	1.05	1.15
Texas	5,000	4,500	585	842	1.05	1.35
Colorado	1,500	1,200	548	360	1.00	1.15
Washington	950	1,100	165	264	1.50	1.40
California	3,000	3,100	1,245	1,348	1.35	1.45
Other states[2]	25,560	28,440	2,401	2,625	1.34	1.51
U. S. Total	101,510	96,840	14,127	14,182	1.22	1.31

[1] Season average price received by growers. [2] Ala., Ariz., Ark., Conn., Fla., Ga., Ill., Iowa, Ky., La., Maine, Mass., Minn., Miss., Mo., N. H., N. J., N. Y., Okla., Ore., Pa., S. D., and Utah.

Cabbage for Sauerkraut

State	Harvested acreage 1959	Harvested acreage 1960	Production 1959	Production 1960	Price per Ton[1] 1959	Price per Ton[1] 1960
	(acres)		(tons)		(dollars)	
New York	3,600	4,700	50,000	79,900	17.20	17.00
Ohio	700	1,500	10,600	21,800	12.00	12.30
Wisconsin	2,900	4,200	38,900	58,000	13.00	14.30
Other states[2]	3,720	3,600	50,270	49,080	15.60	15.30
U. S. Total	10,920	14,000	149,770	208,780	15.20	15.40

[1] Season average price received by growers. [2] Colo., Fla., Idaho, Ill., Ind., Iowa, Md., Mich., Minn., Mo., N. J., N. C., Ore., Pa., Tenn., Utah, Va., and Wash.

Beets for Canning

State	Harvested acreage 1959	Harvested acreage 1960	Production 1959	Production 1960	Price per ton[1] 1959	Price per ton[1] 1960
	(acres)		(tons)		(dollars)	
New York	4,000	4,500	51,600	47,700	17.60	20.20
Michigan	500	480	5,400	4,600	16.30	18.20
Wisconsin	4,400	4,600	46,600	39,100	14.80	17.00
Oregon	1,300	1,400	20,400	20,300	26.80	24.00
Other states[2]	3,290	3,500	19,200	26,000	21.20	22.20
U. S. Total	13,490	14,480	143,200	137,700	18.40	20.20

[1] Season average price received by growers. [2] Calif., Colo., Del., Ill., La., Md., Minn., N. J., Ohio, Okla., Pa., Tenn., Texas, Utah, Wash., and Wyo.

Tomatoes for Processing

State	Harvested acreage 1959	Harvested acreage 1960	Production 1959	Production 1960	Price per Ton[1] 1959	Price per Ton[1] 1960
	(acres)		(tons)		(dollars)	
New York	10,900	9,100	110,100	113,800	33.50	33.00
New Jersey	14,000	17,200	176,400	271,800	31.20	31.90
Pennsylvania	13,000	10,500	131,300	135,400	30.00	31.20
Ohio	22,300	21,300	296,600	377,000	27.00	27.80
Indiana	26,100	26,500	266,200	280,900	26.20	28.10
Illinois	9,400	8,700	114,700	129,600	28.80	29.00
Michigan	7,500	6,900	82,500	84,200	26.40	27.00
Wisconsin	600	400	6,300	3,700	28.40	25.40
Iowa	1,400	1,800	23,000	29,700	28.50	28.70
Missouri	1,000	550	5,000	3,300	20.30	26.00
Delaware	1,900	1,700	17,100	27,200	29.80	31.00
Maryland	10,600	8,600	70,000	103,200	29.80	31.50
Virginia	10,000	9,000	35,000	43,200	27.70	30.80
South Carolina	1,800	2,000	4,100	4,000	32.10	32.50
Florida[2]	6,500	4,800	34,400	34,500	23.30	25.20
Kentucky	900	1,000	2,500	2,200	27.50	26.60
Arkansas	2,600	2,100	5,200	5,700	22.50	36.60
Texas	12,000	7,700	45,600	30,000	21.00	28.90
Colorado	3,400	2,400	29,000	27,100	23.70	24.40
Utah	3,800	3,200	33,100	46,400	21.40	24.20
California	129,700	135,000	1,997,400	2,241,000	21.80	23.00
Other states[3]	2,730	2,400	22,700	19,600	27.20	27.20
U. S. Total	292,130	282,850	3,508,800	4,013,500	24.40	25.80

[1] Season average price received by growers. [2] Sum of estimates by seasonal groups. [3] Ala., Ariz., Kans., La., Miss., Nebr., N. M., N. C., Okla., Ore., Tenn., Wash., and W. Va.

Green Lima Beans for Processing

State	Harvested acreage 1959	Harvested acreage 1960	Production 1959	Production 1960	Price per ton[1] 1959	Price per ton[1] 1960
	(acres)		(tons)		(dollars)	
New York	720	750	620	610	118.80	149.80
Pennsylvania	1,700	1,400	1,270	1,240	146.50	171.80
Michigan	1,300	1,800	1,360	1,360	96.90	91.90
Wisconsin	4,300	5,500	4,600	5,580	96.20	101.60
Delaware	17,000	19,600	10,370	15,290	130.20	145.00
Maryland	2,400	3,000	1,370	2,200	120.00	123.60
Virginia	600	220	300	170	116.70	111.40
Washington	800	1,100	870	1,380	148.10	147.80
California	22,100	28,000	37,680	46,200	144.00	150.70
Other states[2]	26,840	30,440	24,200	28,520	127.20	154.30
U. S. Total	77,760	91,810	82,640	102,550	133.30	147.00
For freezing	49,250	60,700	58,030	74,070	141.40	149.30
Baby limas	33,220	40,920	31,880	40,900	136.80	143.50
Fordhooks	16,030	19,780	26,150	33,170	146.90	156.40
For canning and other processing	28,510	31,110	24,610	28,480	114.30	140.90

[1] Season average price received by growers. [2] Ark., Colo., Idaho, Ill., Ind., Iowa, Minn., Mo., N. J., Ohio, Okla., Ore., Tenn., and Utah.

increased 24 percent over last year. The tonnage frozen was up 28 percent and that canned was 16 percent larger.

The volume of snap beans processed set another record and was 11 percent above last year. Six percent more snap beans were canned and 27 percent more were frozen.

Production of beets for canning continued its downward trend with a further reduction of 4 percent. Thirty-nine percent more cabbage was used for sauerkraut than from last year's small crop. A record high yield of 146 bushels of cucumbers per acre on 5 percent fewer acres resulted in approximately the same quantity of pickles as last year.

Sweet corn production was 12 percent less this year than last. However, 16 percent more corn was frozen, but the amount canned was down 17 percent.

There were 8 percent less green peas processed. Production for freezing and canning was down 10 and 7 percent respectively.

Spinach production was only 1 percent under last year. A 7 percent smaller spring crop more than offset larger winter and fall spinach crops.

Tomato production was 14 percent higher this year than last. Better yields in all major producing States were responsible for the larger production.

The value of these vegetables used for processing is 285.4 million dollars. This is 10 percent higher than last year and 8 percent more than average.

Asparagus for Processing

Seasonal Group and State	Production		Price per ton	
	1959	1960	1959	1960
	(*tons*)	(*tons*)	(*dollars*)	(*dollars*)
Early Spring:				
California	60,000	64,100	190.00	212.00
Mid-Spring:				
Washington	13,000	16,000	205.00	228.00
Oregon	650	1,000	190.00	216.00
Group total	13,650	17,000	204.70	227.30
Late Spring:				
New Jersey	22,600	22,000	205.00	219.00
Illinois	5,800	5,900	196.00	201.00
Michigan	7,400	8,500	216.00	250.00
Delaware	2,800	2,650	210.00	224.00
Maryland	2,850	2,800	225.00	231.00
Other states[1]	3,420	3,200	212.60	229.70
Group total	44,870	45,050	207.80	224.30
U. S. Total	118,520	126,150	198.40	218.40

[1] N. Y., Pa., Ohio, Ind., Wis., Minn., Iowa, Mo., Nebr., Va., Ark., and Idaho.

Green Peas for Processing

State	Harvested acreage		Production		Price per Ton[1]	
	1959	1960	1959	1960	1959	1960
	(*acres*)		(*tons*)		(*dollars*)	
New York	11,100	10,500	15,650	15,750	100.90	101.30
Pennsylvania	5,700	4,800	7,700	6,410	118.90	103.70
Indiana	1,900	1,700	1,730	2,010	95.00	78.60
Illinois	22,800	26,300	40,580	44,320	102.50	94.10
Michigan	4,000	4,100	3,960	4,450	80.50	85.60
Wisconsin	85,600	78,500	107,000	106,000	80.90	74.40
Minnesota	42,100	40,500	46,940	51,440	89.10	86.00
Delaware	6,700	6,100	9,010	8,660	116.70	111.50
Maryland	7,100	6,400	9,940	10,080	91.30	89.50
Idaho	9,800	10,900	12,790	9,700	80.80	77.20
Washington	66,100	71,300	107,410	96,600	84.30	92.00
Oregon	55,900	48,400	70,150	43,320	85.70	82.80
California	7,300	7,000	11,790	13,510	77.50	71.40
Other states[2]	20,600	18,490	28,550	23,320	92.60	94.00
U. S. Total	346,700	334,990	473,200	435,570	87.90	86.20
For freezing	119,530	120,920	170,490	152,760	90.10	84.20
For canning and other processing	227,170	214,070	302,710	282,810	86.60	87.20

[1] Season average price received by growers. [2] Ark., Colo., Iowa, Kans., Maine, Mo., Mont., Nebr., N. J., Ohio, Okla., Tenn., Utah, Va., W. Va., and Wyo.

Spinach for Processing

Seasonal Group and State	Harvested acreage		Production		Price per Ton[1]	
	1959	1960	1959	1960	1959	1960
	(*acres*)		(*tons*)		(*dollars*)	
Winter:						
Florida	1,000	900	4,400	5,400	30.00	35.20
Early Spring:						
California	9,100	9,000	64,000	63,000	24.60	23.50
Late Spring:						
New York	1,300	1,200	10,700	9,500	38.80	37.90
Arkansas	3,800	2,700	8,700	5,400	49.40	49.10
Oklahoma	4,200	3,000	12,600	7,800	48.60	49.50
Washington	250	220	2,000	2,200	32.20	30.30
Other states[2]	8,420	8,810	27,580	29,100	52.50	46.10
Group total	17,970	15,930	61,580	54,000	48.20	44.80
Fall:						
Arkansas	500	1,000	900	2,000	45.60	50.00
Oklahoma	400	2,600	600	5,500	50.00	48.00
Washington	580	630	4,500	5,200	29.80	29.30
Other states[3]	3,580	3,370	11,120	10,700	56.40	64.60
Group total	5,060	7,600	17,120	23,400	48.60	51.60
U. S. Total	33,130	33,430	147,700	145,800	37.40	36.30

[1] Season average price received by growers. [2] Del., Md., Mich., Miss., N. J., Pa., Tenn., Texas, Va., and Wis. [3] Md., N. J., N. Y., Pa., Tenn., Va., and Calif.

Sweet Corn for Processing

State	Harvested acreage		Production[1]		Price per Ton[2]	
	1959	1960	1959	1960	1959	1960
	(*acres*)		(*tons*)		(*dollars*)	
Maine	3,900	3,000	16,800	14,200	23.80	23.90
New York	21,100	19,900	63,500	70,200	20.90	22.30
Pennsylvania	8,700	8,900	22,600	29,400	22.90	22.90
Ohio	5,900	4,900	19,500	16,800	17.20	16.60
Indiana	16,500	13,400	48,000	38,900	16.80	16.60
Illinois	61,100	62,600	210,200	216,600	20.30	19.70
Wisconsin	102,600	95,600	401,200	262,900	17.30	17.10
Minnesota	86,800	91,300	332,400	275,700	16.70	16.50
Iowa	9,000	5,200	34,000	17,400	17.70	16.40
Delaware	5,400	4,900	18,400	16,700	20.40	19.00
Maryland	32,800	30,200	93,200	99,700	20.20	19.90
Idaho	12,400	12,300	73,400	61,700	19.20	21.20
Washington	16,800	22,200	81,000	105,700	21.50	21.40
Oregon	17,700	21,500	93,600	106,400	27.20	23.90
Other states[3]	17,950	15,740	74,400	58,200	20.80	21.40
U. S. Total	418,650	411,640	1,582,200	1,390,500	19.10	19.20
For freezing	63,640	76,140	241,800	281,200	22.40	21.80
For canning and other processing	355,010	335,500	1,340,400	1,109,300	18.50	18.60

[1] Tonnage in husk. [2] Season average price received by growers. [3] Ark., Calif., Colo., La., Mich., Mont., Nebr., N. H., N. J., Okla., S. D., Tenn., Texas, Utah, Vt., Va., W. Va., and Wyo.

The rank in 1960 of the leading States growing vegetables for processing is shown below:

Acreage

Rank	State	Percent of total
1.	California	15.1
2.	Wisconsin	14.3
3.	Minnesota	8.9
4.	Illinois	7.2
5.	Washington	7.2

Production

Rank	State	Percent of total
1.	California	34.2
2.	Wisconsin	7.6
3.	Ohio	5.8
4.	New York	5.7
5.	Illinois	5.6

Value

Rank	State	Percent of total
1.	California	28.2
2.	Wisconsin	6.9
3.	Oregon	6.5
4.	New York	6.4
5.	New Jersey	6.0

Production of principal fresh market vegetables and melons in 1960 was 6 percent higher than last year. Production of watermelons, lettuce, cabbage, carrots, and cauliflower was well above last year, but considerably less tomatoes, celery, sweet corn, and cantaloups were produced. Strawberry production was a little below last year and more of the crop moved through fresh market channels.

	Production 1959	Production 1960	Percent change from 1959
	(thousand tons)		
28 vegetables for fresh market	8,253	8,618	+4
11 vegetables for processing	6,914	7,312	+6
15 fruits	17,778	16,870	−5

Fruits (Non-Citrus)

Total tonnage of non-citrus fruits and edible tree nuts produced in 1960 fell 8 percent below last year but was 2 percent above average. Tonnage of the 14 non-citrus fruits estimated for this report totaled 9.17 million tons, 8 percent less than in 1959. Apricots, nectarines, cranberries, and olives were the only fruit crops which turned out larger than last year. They were also above average. Although production of the other crops was down from last year, peaches, grapes, plums and dates were above average, while apples, pears, sweet and sour cherries, prunes, figs, and avocados were below average. The peach crop was down 1 percent from last year with a smaller crop in the West accounting for this drop in the peach crop.

Crop	Unit	1959	1960
		(thousands)	
Apples, commercial	bu.	121,787	106,380
Apricots	ton	230	244
Cherries, sour	ton	137	117
Cherries, sweet	ton	78	71
Cranberries	bbl.	1,253	1,336
Figs (not dried)	ton	7	9
Olives (California)	ton	27	70
Peaches, clingstone	ton	609	609
Pears	bu.	30,191	26,065
Plums	ton	100	92
Prunes, canned	ton	24	3

Citrus Fruits

Prospective production of 1960-61 citrus is off 3 percent from last year, although 1 percent above average. The orange crop is expected to be down 4 percent from last year even though equal to the 10-year average.

The indicated production of grapefruit and tangerines is greater than last year, but there will be fewer lemons, limes, and tangelos.

Following is a summary of production prospects for the current season, with comparisons:

Crop	10-year ave. 1949-58	1959	1960 Indicated
	(thousands of boxes)		
Oranges, U. S. total	121,786	126,760	121,925
California	38,100	30,800	28,000
Florida	80,880	91,500	89,500
Texas	1,566	2,700	3,000
Arizona	1,062	1,500	1,150
Louisiana	178	260	275
Grapefruit, U. S. total	42,625	41,620	41,870
Florida	34,470	30,500	30,000
Texas	3,090	5,200	6,700
Arizona	2,603	3,220	2,570
California	2,462	2,700	2,600
Tangerines (Florida)	4,540	2,800	4,200
Lemons	14,358	18,230	15,100

The crop year begins with the bloom of the year shown and ends with completion of harvest the following year.

Other Crops

The 1960 production of potatoes is placed at 256,677,000 hundredweight, 6 percent above 1959 and 10 percent above average. Acreage harvested was 1,442,800, 4 percent above the 1959 figure but 2 percent below average.

Sweet potato production in 1960, at 15,667,000 hundredweight, is 17 percent below the 1959 crop and 19 percent below the 1949-58 average. Practically all the decrease in production was accounted for by a reduction in acreage.

In New Jersey, Maryland, Virginia, and the Carolinas, weather conditions were favorable for transplanting the crop and for growth. Yields per acre were generally good. In Georgia, Florida, and Alabama, conditions were only fair and average yields per acre were harvested. The effects of early droughts in Louisiana and Texas were generally offset by favorable growing and harvesting conditions later on in the season. However, reduced acreage in these two states with about average yields resulted in lower production than during recent years.

Dry bean production was 5 percent smaller than last year. Less acreage was harvested and yield per acre slipped slightly below the 1959 record. Dry pea production slumped a third below 1959. Harvested acreage was about 10 percent lower and hot dry weather caught the late planted acreage in Washington and Idaho at a critical time to force a marked reduction in yield.

Production of dry beans by classes shows that pea beans (Navy) continued to be the leading variety in 1960 by a substantial margin—about one-third of the total production. The estimated production of 5,897,000 bags of pea beans was down 3 percent from last year. Michigan production accounted for 5,856,000 bags of pea beans.

Pinto bean production was second with 4,442,000 bags. The crop was 2 percent larger than last year. Colorado had a larger crop than last year while a smaller crop was produced in Idaho and Wyoming. In spite of a substantial reduction in quantity of Great Northern beans produced this year, they remained in third place. Red Kidney beans again held fourth place showing a very large increase in production over 1959.

USDA Plentiful Foods List

The USDA Plentiful Foods List for January includes canned ripe olives, cranberries, broiler-fryers, onions, and cabbage. The Department will give extra emphasis in press, radio and television releases on ripe olives during the week of January 1 and on cranberries during the week of January 22.

Poultry Used in Processing

(Agricultural Marketing Service of USDA)

	1959	1960*
	(thousands of pounds)	
Young chickens	41,275	76,474
Mature chickens	127,230	156,235
Turkeys	58,903	74,299
Other poultry	96	2,702
Total, Jan.-Oct.	232,014	309,710

* Beginning with October, 1960, data on poultry parts and fat used in canning are no longer available by class of poultry. Of 2,441,000 pounds reported as "other" for October, 1,442,000 pounds are parts, 959,000 pounds are fat, and 40,000 pounds are duck and other poultry.

1960 Pack of Pumpkin and Squash

(N.C.A. Division of Statistics)

State	1959	1960
	(actual cases)	
Eastern states	478,264	372,859
Ohio	142,478	89,495
Indiana	169,378	95,895
Illinois	1,490,966	1,944,066
Other Midwest states	191,867	185,225
Western states	655,351	613,625
U. S. Total	3,128,304	3,501,165

Eastern states: Me., N. Y., Del., N. J., Pa., Va., Ga. Midwestern states: Ohio, Ind., Mich., Ill., Minn., Wis., Ala. Western states: Calif., Colo., Wash., Ore., Idaho.

On the basis of standard cases of 24/303, the 1960 pack amounted to 4,973,085 cases compared with the 1959 pack of 4,471,132.

1960 Pack of Tomatoes

(N.C.A. Division of Statistics)

Pack of Tomatoes by States

State	1959	1960
	(actual cases)	
New York	289,625	456,198
Md. and Del.	3,794,477	4,154,627
New Jersey	187,097	264,020
Pennsylvania	245,522	250,127
Va. and W. Va.	854,719	850,908
Ohio	1,118,291	1,345,168
Indiana	1,650,000	2,002,784
Tenn. and Ky.	(a)	(a)
Ozarks[1]	563,288	483,751
Fla. and Ga.	1,329,856	1,492,355
Texas	1,648,889	808,235
Colorado	329,745	272,020
Utah	247,557	341,818
California	10,173,126	11,311,417
Other states	568,196	524,976
U. S. Total	23,000,388	24,558,494

(a) Included in other states. [1] Ark., Mo., Okla.

Pack of Tomatoes by Can Size

Can size	1959	1960	1959	1960
	(thousands of actual cases)		Percent of total volume	
24/2	400	469	2	2
48/1P	566	633	3	3
24/303	12,778	14,236	43	46
24/2½	3,808	4,071	23	23
6/10	5,200	4,833	29	25
Misc.	247	317	(a)	1

(a) Less than 1 percent.

Pack of Tomatoes by Grades

Grade	1959	1960	1959	1960
	(thousands of actual cases)		Percent of total pack	
Fancy	4,290	5,494	19	22
Ext. Std.	7,331	7,541	32	31
Standard	10,768	10,793	47	44
Italian (Calif.)	611	731	2	3

Canner's Supply of Canned Tomatoes, by Can Size and Region

Can Size and Region	Supply[1] 1959–60	Supply[1] 1960–61	Difference
	(thousands of actual cases)		
U. S. Total	27,248	25,773	−1,475
24/2	447	493	+ 46
48/1P	561	545	− 16
24/303	15,141	14,223	− 918
24/2½	4,929	4,727	− 202
6/10	5,800	5,407	− 393
Northeast	405	515	+ 110
Middle Atlantic	5,933	5,732	− 201
Midwest	3,892	4,121	+ 229
South	2,921	1,749	−1,172
West	14,097	13,655	− 442

[1] Supply represents July 1 carryover plus July-January pack.

1960 Pack of Tomato Catsup

(N.C.A. Division of Statistics)

	Units per case	1959	1960
		(actual cases)	
Glass:			
12 oz.	24	1,884,727	2,203,002
14 oz.	24	16,369,308	19,413,567
18, 20, and 24 oz.	12	4,446,900	8,128,238
No. 10 tin	6	2,962,211	3,967,567
Misc. tin and glass		110,817	105,136
U. S. Total		25,773,963	33,817,510

On the basis of standard cases of 24/14Z, the 1960 pack amounted to 35,186,708 cases compared with the 1959 pack of 27,242,685 cases.

1960 Pack of Chili Sauce

(N.C.A. Division of Statistics)

	Units per case	1959	1960
		(actual cases)	
12 oz. glass	12	2,256,576	1,913,317
No. 10 tin	6	295,688	394,911
Misc. tin and glass*		273,976	259,214
U. S. Total		2,826,240	2,567,442

* Includes some 12/8-oz. glass.

On the basis of standard cases of 12/12Z, the 1960 pack amounted to 3,961,881 cases compared with the 1959 pack of 3,848,378 cases.

1960 Pack of Tomato Juice

(N.C.A. Division of Statistics)

Container size	Units per case	1959	1960
		(actual cases)	
Indiv. 5-6 oz.	48	2,991,484	3,546,348
8 oz.	48	201,102	152,942
211 Cyl.	48	1,314,285	1,179,787
No. 300 and 303[1]	24	2,233,447	2,135,330
No. 2	24	2,524,308	2,237,244
29-32 oz.	12	1,106,454	891,984
No. 3 Cyl.	12	15,763,582	17,140,952
No. 10	6	258,170	421,122
Misc. tin		661,729	693,397
Misc. glass		1,248,358	1,537,608
U. S. Total		28,302,919	29,936,714

[1] The can size No. 300, which has always been reported 48 units per case, is now reported as 24 units per case and combined with the No. 303 can.

On the basis of standard cases of 24/2, the 1960 pack amounted to 33,017,987 cases compared with the 1959 pack of 31,116,076 cases.

Shipments of Metal Cans and Glass Containers, Jan.-Oct.

Metal Cans

	Jan.-Oct. cumulative 1959	Jan.-Oct. cumulative 1960
	(short tons of steel)	
Fruit and fruit juices (including cans for fruit base still drinks sold as soft drinks)	1,425,224	640,341
Vegetable and vegetable juices		736,456
Meat, including poultry	116,349	121,498
Fish and sea food	101,537	107,844
Baby food, including formulas	423,011	37,959
"Other" foods, including soups		408,086

Glass Containers

	Jan.-Oct. cumulative 1959	Jan.-Oct. cumulative 1960
	(thousands of gross)	
Wide-mouth food (including fruit jars, jelly glasses, and packers' tumblers)	38,259	37,595
Narrow-neck food	14,286	15,410

Canners' Stocks on Dec. 1 and Season Shipments

(N.C.A. Division of Statistics)

	Case basis	Carry-over month	Supply 1959–60	Supply 1960–61	Canners' Stocks, Dec. 1 1959	Canners' Stocks, Dec. 1 1960	Season Shipments to Dec. 1 1959	Season Shipments to Dec. 1 1960
			(thousands of cases)					
Apples	6/10	Sept.	3,891	3,574	2,602	2,345	1,289	1,228
Applesauce	actual	Sept.	16,717	17,912	11,702	12,845	5,015	5,068
RSP cherries	actual	July	4,320	2,555	2,188	1,187	2,138	1,368
Pineapple*	actual	June	19,321	19,701	9,077	10,556	10,244	9,145
Pineapple juice*	actual	June	13,762	14,457	8,176	6,897	8,586	7,560
Corn	actual	Aug.	42,823	37,374	28,330	24,851	14,493	12,523
Peas	actual	June	38,670	33,248	21,603	18,272	16,977	14,976
Pumpkin and squash	actual	July	3,856	4,192	1,211	1,417	2,645	2,775

* Pineapple Growers Association of Hawaii.

Schedule of Principal Events of the 1961 Convention

SUBJECT TO REVISION AND ADDITION

Saturday, January 21

12:30 p.m.—N.C.A. Administrative Council, Room 2, Conrad Hilton
12:30 p.m.—C.M.&S.A. Board of Directors, Sheraton-Blackstone
2:00 p.m.—N.C.A. Processing Committee on Foods in Metal Containers, Room 9, Conrad Hilton
4:30 p.m.—Forty-Niners Annual Meeting, French and English Rooms, Sheraton-Blackstone
5:15 p.m.—Forty-Niners Award Ceremony, French and English Rooms, Sheraton-Blackstone
7:00 p.m.—State Secretaries Dinner, Room 1, Conrad Hilton

Sunday, January 22

8:00 a.m.—N.C.A. Legislative Committee, Room 4, Conrad Hilton
8:00 a.m.—N.C.A. Consumer and Trade Relations Committee, Room 1, Conrad Hilton
8:00 a.m.—Cooperative Processors Association, Breakfast meeting, Room 2, Conrad Hilton
9:00 a.m. to 4 p.m.—N.C.A.-C.M.&S.A. Information-Registration Center is open, Lower Lobby, North Hall, Conrad Hilton
10:00 a.m.—N.C.A. Board Executive Session, Beverly Room, Conrad Hilton
10:00 a.m.—C.M.&S.A. Annual Meeting, Parlor B, Williford Room, Conrad Hilton
12:00 noon to 5:00 p.m.—C.M.&S.A. Exhibit—The Canners Show, Conrad Hilton
12:30 p.m.—N.C.A. Board Luncheon, Waldorf Room, Conrad Hilton
2:30 p.m.—N.C.A. Board Executive Session, Beverly Room, Conrad Hilton
2:30 p.m.—N.C.A. Equipment Sanitation Committee, Room 8, Conrad Hilton
6:00 p.m.—Old Guard Reception and Banquet, Crystal Ballroom, Sheraton-Blackstone
7:30 p.m.—N.C.A. Research Smoker, Astoria Room, Conrad Hilton

Monday, January 23

8:00 a.m.—N.C.A. Consumer Service Committee, Room 14, Conrad Hilton
8:00 a.m.—N.C.A. Fishery Products Committee, Room 1, Conrad Hilton
9:00 a.m.—N.C.A. Nominating Committee, Astoria Room, Conrad Hilton
9:00 a.m. to 4 p.m.—N.C.A.-C.M.&S.A. Information-Registration Center is open, Lower Lobby, North Hall, Conrad Hilton
10:00 a.m.—N.C.A. Annual Meeting and Convention General Session, Williford Room, Conrad Hilton. Address by George Romney, President of American Motors Corp.
10:00 a.m. to 5:00 p.m.—C.M.&S.A. Exhibit—The Canners Show, Conrad Hilton
12:00 noon—Food Editors Reception and Luncheon, Beverly Room, Conrad Hilton
12:30 p.m.—N.C.A. Research Committee, Room 3, Conrad Hilton
12:30 p.m.—N.C.A. Statistics Committee, Room 13, Conrad Hilton
2:00 p.m.—N.C.A. Labeling Advisory Subcommittee, Room 8, Conrad Hilton
2:00 p.m.—Food Editors Conference, Beverly Room, Conrad Hilton
2:30 p.m.—C.M.&S.A. Ladies Program, Crystal Ballroom, Sheraton-Blackstone
3:00 p.m.—N.C.A. Claims Committee, Room 12, Conrad Hilton
3:30 p.m.—N.C.A. Labeling Committee, Room 10, Conrad Hilton
7:00 p.m.—Young Guard Banquet, Terrace Casino, Morrison Hotel

Tuesday, January 24

8:30 a.m.—N.C.A. Research Program—Canned Foods Assure Adequate and Safe Diets, Waldorf Room, Conrad Hilton
8:30 a.m.—N.C.A. Marketing Program—The Institutional Market, Upper Tower, Conrad Hilton
8:30 a.m.—N.C.A. Raw Products Program—Recent Developments in Mechanical Harvesting and Handling of Tomatoes, Room 1, Conrad Hilton
8:30 a.m.—N.C.A. Fishery Program—Free or Controlled Trade in the International Market—A Debate, Astoria Room, Conrad Hilton
9:00 a.m. to 4 p.m.—N.C.A.-C.M.&S.A. Information-Registration Center is open, Lower Lobby, North Hall, Conrad Hilton
10:00 a.m. to 5:00 p.m.—C.M.&S.A. Exhibit—The Canners Show, Conrad Hilton
12:30 p.m.—N.C.A. Procurement Committee, Room 4, Conrad Hilton
12:30 p.m.—Joint Allied Industry and C.&T.R. Luncheon, Room 3, Conrad Hilton
2:00 p.m.—N.C.A. Statistical Quality Control Clinic, Room 2, Conrad Hilton
2:00 p.m.—N.C.A. Raw Products Research Committee, Room 8, Conrad Hilton
2:00 p.m.—U.S. Fish and Wildlife Conference on Fish Canners Problems, Room 12, Conrad Hilton
6:30 p.m.—N.C.A. Raw Products Committee, Room 1, Conrad Hilton
8:00 p.m.—C.M.&S.A. Dinner Dance, Grand Ballroom, Palmer House

Wednesday, January 25

8:30 a.m.—N.C.A.-C.M.&S.A. Research Program—Plant Maintenance and Sanitation, Waldorf Room, Conrad Hilton
8:30 a.m.—N.C.A. Marketing Program—FTC Economic Studies and Surveys in the Food Industry, Upper Tower, Conrad Hilton
8:30 a.m.—N.C.A. Raw Products Program—A Critical Evaluation of the Protective Screen Program, Beverly Room, Conrad Hilton
9:00 a.m. to 4 p.m.—N.C.A.-C.M.&S.A. Information-Registration Center is open, Lower Lobby, North Hall, Conrad Hilton
10:00 a.m. to 5:00 p.m.—C.M.&S.A. Exhibit—The Canners Show, Conrad Hilton

CANNED FOODS THE YEAR-ROUND HARVEST

Warning Against Faddistic Influences on Food Laws

"Bias, bigotry and faddism must not be permitted to influence laws and regulations of this country in such manner as to interfere with the full use of our nutritional resources," Dr. William J. Darby, director, Division of Nutrition, Vanderbilt University School of Medicine, declared in Washington recently.

"Denied the full application of scientific knowledge, resources and imagination, this country could be in a vastly inferior nutritional position by 1975 or shortly thereafter," Dr. Darby warned.

Addressing a symposium on "Science and Food: Today and Tomorrow," Dr. Darby stressed the need for a "broad understanding of the contribution which science makes to our food supply, and our absolute dependence upon the continuing effective application of scientific knowledge in order to assure continuing abundance of healthful food." The symposium, which was open to the public, was sponsored by the National Research Council's Food Protection Committee of which Dr. Darby is chairman.

Our national food consumption and nutritional health have benefited from the great strides which have occurred during the past three decades in food production, distribution, marketing and conservation, Dr. Darby claimed. "We are experiencing the forceful emergence of industrialized food—a development which has almost eliminated the obligatory seasonal marketing of foodstuffs, which has presented the consumer with an unparalleled variety of foods of high nutritional value, and which has shifted the burden of food preparation from the household kitchen to the industrial kitchen."

Food Protection Committee Preparing Additive Texts

The National Research Council's Food Protection Committee met jointly with its Industrial Liaison Panel in Washington on December 7, and on December 8 presented a symposium, "Science and Food: Today and Tomorrow," open to the public.

The Industrial Liaison Panel, which includes in its membership a number of canning firm representatives, has in preparation, revision, or in prospect several publications dealing with the use of food additives. One of these, familiarly known as the "green book," classifies additives by function and use; revision plans call for adding a list of ingredients which the Food Protection Committee considers safe under conditions of indicated use. Also planned is a Food Additives Codex which will set up specifications to define "food grade" ingredients and additives.

The symposium on December 8 was part of a continuing effort on the part of the Food Protection Committee to promote better public understanding of the food additive situation and the role of science in providing and safeguarding the food supply. Topics ranged from regulatory control through physiology and nutrition to industrial utilization of additives for better and more convenient foods.

Forthcoming Meetings

Jan. 7-8—Farmer Cooperative Service of USDA, Fifth National Conference on Fruit and Vegetable Bargaining Cooperatives, Jung Hotel, New Orleans

Jan. 8-10—National Preservers Association, Annual Convention, Galt Ocean Mile Hotel, Ft. Lauderdale, Fla.

Jan. 9-10—Northwest Canners and Freezers Association, Annual Meeting, Multnomah Hotel, Portland, Ore.

Jan. 9-12—National Council of Farmer Cooperatives, Annual Meeting, Jung Hotel, New Orleans

Jan. 12-13—Canners League of California, 38th Annual Fruit and Vegetable Sample Cuttings, Fairmont Hotel, San Francisco

Jan. 12-15—Association of Food Distributors, Annual Convention, Galt Ocean Mile Hotel, Ft. Lauderdale, Fla.

Jan. 22-25—National Canners Association and Canning Machinery and Supplies Association, 54th Annual Conventions, The Conrad Hilton Hotel, Chicago

Jan. 29-Feb. 1—Canadian Food Processors Association, Annual Convention, Prince Edward Hotel, Windsor, Ont.

Jan. 29-Feb. 1—Super Market Institute, Mid-year Conference, Americana Hotel, Bal Harbour, Miami Beach, Fla.

Feb. 2-3—Statistical Quality Control and Instrumentation Workshop for the Food Industry (co-sponsored by N.C.A.), Cornell University, Ithaca, N.Y.

Feb. 21-22—Special Industrial Radio Service Association, 9th Annual Meeting, Bakersfield, Calif.

Feb. 23-24—New Jersey Processors Fieldmen's School, New Jersey Agricultural Experiment Station, New Brunswick

Feb. 24—Ozark Canners, Processors, Brokers & Supplymen Association, Annual Meeting, Colonial Hotel, Springfield, Mo.

March 3-4—Virginia Canners Association, 53d Annual Meeting, Hotel Roanoke, Roanoke

March 5-7—Canners League of California, 57th Annual Meeting, Santa Barbara Biltmore, Santa Barbara

March 5-8—National Association of Frozen Food Packers, 20th Annual Convention, Dallas

March 14—National Canners Association Northwest Branch, Annual Canned Salmon Cutting, Olympic Hotel, Seattle

April 6-8—Institutional Food Distributors of America, Annual Convention, Hotel Americana, Bal Harbour, Fla.

April 9-12—U. S. Wholesale Grocers Association, Annual Convention, Hotel Americana, Bal Harbour, Fla.

USDA Report on Diseases of Grapes and Small Fruits

A handbook designed to help fruit and vegetable handlers reduce losses due to grape and small fruit diseases was issued December 9 by the U. S. Department of Agriculture.

Researchers in USDA's Agricultural Marketing Service describe and illustrate with color plates the most common economically important grape and small fruit diseases. A special section lists numerous other sources of information.

The report is one of nine concerning market diseases of fruits and vegetables, all part of a program of research aimed at improving the marketing of farm foods.

Copy of the report, *Market Diseases of Grapes and Other Small Fruits*, Agriculture Handbook No. 189, is available on request to the U. S. Department of Agriculture, Washington 25, D. C.

California Fish Canners Assn.

Gilbert C. Van Camp, Jr. of Van Camp Sea Food Company, Inc., Terminal Island, was elected president of the California Fish Canners Association at the annual meeting.

Gerald Cigliano of Pan-Pacific Fisheries, Inc., Terminal Island, was elected vice president; and J. J. Bogdanovich of Star-Kist Foods, Inc., Terminal Island, was elected secretary. Charles R. Carry, Terminal Island, was continued in office as executive director.

Expansion of Nutrition Research Urged in USDA

Balanced expansion of all aspects of the U. S. Department of Agriculture's home economics research program was advised by members of the Department's Home Economics Research Advisory Committee at their annual December meeting in Washington.

Among items to which particular attention was called was the important research work in food and human nutrition.

In this area, the committee again called attention to the importance of expanded studies of the complex role of fats and fatty acids in nutrition. It is especially important to determine how the metabolic response to different kinds and amounts of fats is affected by other dietary components

and by a person's age, the committee said.

Other research meriting high priority attention, in the committee's opinion, includes: (1) Improved analytical methods for determining all nutrients in foods in order to permit improved assay of foods as they are prepared for eating; (2) development of food plans for institutional populations and up-to-date information for nutrition education programs; (3) basic research on the physical and chemical characteristics that determine consumer quality in meats and poultry.

Report Issued on USDA Utilization Research

The U. S. Department of Agriculture's utilization research program, in the past 20 years, has contributed substantially to the economic welfare of the United States, according to Dr. Roy Chester Newton, former director of research for Swift & Co., who was appointed by Secretary of Agriculture Ezra Taft Benson last February to review and coordinate USDA work in this field.

Dr. Newton's comprehensive critique of the program was released December 12 by Secretary Benson. Dr. Newton called the present program of utilization research and development "excellent."

"Opportunities for success in utilization research are tremendous," he said, "and the program should receive gradual but continuous, increased support. It is felt that the curve of accomplishment has just made a sharp turn upward. The utilization scientists now know more about the materials on which they are working and much more about the needs of the industries which can use these materials and their derivatives."

Vegetable Recipes Requested

The new recipe leaflet "Vegetables With A Flair—15 Easy Recipes" is receiving a large response of approval in letters to the N.C.A. Consumer Service Division, from food editors, utility home service divisions, television, radio and extension people, all of whom reach large segments of the public. Many have already used the recipes in food demonstrations or reprinted them in their publications. Numerous requests for additional copies of the leaflet are received daily.

Typical of comments is the following statement given in her column by the food editor of a large metropolitan newspaper:

"Vegetable Leaflet—And the National Canners Association is pleased to announce a third in their '15 series' of canned food recipe leaflets. The first two, prepared on casseroles and salads, were real gems. Now comes 15 new and exciting ways of preparing vegetables . . . the most neglected of foods. We bet there isn't a homemaker in the country who couldn't stand a few tips on adding interest to vegetable dishes. In addition to the 15 recipes are suggestions for using spices that go well with different vegetables. For example, a bit of sage to black-eye peas, a smidgen of curry to carrots, a dash of nutmeg to asparagus. This information-packed leaflet 'Vegetables With A Flair . . . 15 Easy Recipes' is yours for the asking. Simply address your requests to the National Canners Association, 1133 20th St., N.W., Washington 6, D. C."

Canned Foods for Christmas

The suitability of canned foods as a Christmas gift was stressed in a special release to the Associated Press Radio Service, December 16, as part of the N.C.A. Consumer and Trade Relations Program. This went to 1,800 stations with an estimated listening audience of well over 12 million persons.

On the same date, United Press Radio Service received a story emphasizing the contributions canned foods make to Christmas Eve buffets. This was released on UP wire news to 2,000 stations across the land, with a total estimated listening audience of more than 15 million.

Salad from the Can Featured

Salad from the can, featuring canned vegetables, was one of the items included in "Extra Helpings," a column of food fillers and food shorts issued by Dudley-Anderson-Yutzy, public relations counsel for the N.C.A. Consumer and Trade Relations Program. Carrying the title, "Holiday Bulletin," the release went out in mid-December to 500 daily newspapers.

School Lunch Program Feeds 13.5 Million Children

Over 13.5 million youngsters are participating in this year's National School Lunch Program, according to the USDA. This is the first time since the program was established in 1946 that participation has topped 13 million, and it illustrates the growth of this increasing market for farm food products, officials said.

In the school year which ended last June, some 12.8 million children were served 2,142,000,000 lunches—144 million more than in the preceding year. Approximately 80 percent of the food was purchased locally—an estimated $540 million worth, compared with $510 million a year earlier.

In addition, school lunch menus last fiscal year included approximately $58 million worth of nutritious foods purchased for participating schools by USDA's Agricultural Marketing Service to supplement local purchases. Among the popular school lunch items were frozen turkeys, frozen ground beef, frozen ground pork, canned pork and gravy, and a variety of canned fruits and vegetables.

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